

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008567**Date Inspected:** 06-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

|                                    |              |           |            |                                  |            |           |            |
|------------------------------------|--------------|-----------|------------|----------------------------------|------------|-----------|------------|
| <b>CWI Name:</b>                   | Yuan huigang |           |            | <b>CWI Present:</b>              | <b>Yes</b> | <b>No</b> |            |
| <b>Inspected CWI report:</b>       | <b>Yes</b>   | <b>No</b> | <b>N/A</b> | <b>Rod Oven in Use:</b>          | <b>Yes</b> | <b>No</b> | <b>N/A</b> |
| <b>Electrode to specification:</b> | <b>Yes</b>   | <b>No</b> | <b>N/A</b> | <b>Weld Procedures Followed:</b> | <b>Yes</b> | <b>No</b> | <b>N/A</b> |
| <b>Qualified Welders:</b>          | <b>Yes</b>   | <b>No</b> | <b>N/A</b> | <b>Verified Joint Fit-up:</b>    | <b>Yes</b> | <b>No</b> | <b>N/A</b> |
| <b>Approved Drawings:</b>          | <b>Yes</b>   | <b>No</b> | <b>N/A</b> | <b>Approved WPS:</b>             | <b>Yes</b> | <b>No</b> | <b>N/A</b> |
|                                    |              |           |            | <b>Delayed / Cancelled:</b>      | <b>Yes</b> | <b>No</b> | <b>N/A</b> |
| <b>Bridge No:</b>                  | 34-0006      |           |            | <b>Component:</b>                | Tower      |           |            |

**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Utekar Shrikant was present during the times noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress.

BAY#10

FCAW welding process of the weld joint 42 located on PCM NSD1-FASA-1E/E Welder is identified 040330ZPMC QC is identified Yuan huigang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2332-TC-P5-F

FCAW welding process of the weld joint 54 located on PCM NSD1-FASA-1E/E Welder is identified 040345 ZPMC QC is identified Yuan huigang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2332-TC-P5-F

FCAW welding process of the weld joint 011 located on PCM SSD1-FSE/L-19C2 Welder is identified 054069 ZPMC QC is identified Tu Jun. The welding variables recorded by QC appeared to comply with the WPS-B-T-2333-TC-P5-F

FCAW welding process of the weld joint 057 located on PCM SSD1-TC5J/L Welder is identified 050041 ZPMC QC is identified Zhong An liu. The welding variables recorded by QC appeared to comply with the

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## WELDING INSPECTION REPORT

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WPS-B-T-2331-TC-P5-F

FCAW welding process of the weld joint 046 located on PCM NSD1-A112 6/H Welder is identified 040457 ZPMC QC is identified Li Peng fei. The welding variables recorded by QC appeared to comply with the WPS-B-T-4332-TC-P4-F.

Unless otherwise noted, all work observed on this dated appeared to generally comply with applicable contract documents.

### Summary of Conversations:

No relevant conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Serge Sinevod 13482570045, who represents the Office of Structural Materials for your project.

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| <b>Inspected By:</b> | Utekar,Shrikant  | Quality Assurance Inspector |
| <b>Reviewed By:</b>  | Clifford,William | QA Reviewer                 |

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